Work Order ID 125039 - 2

125039

Friday, October 03, 2014 10:52:07 AM

Item ID: D4857-M

Revision ID:

Item Name: Wiper Deflector

Accept Split-1 *N9000040100*

Setup Start *NS1*

Stop *NS2*

Start Date: 10/3/2014 **Start Qty:** 12.00 *12* 5x

Required Date: 10/3/2014 **Req'd Qty:** 12.00 *12*

Reference:

Cust Item ID:

Customer:

Run Start *NR1*

Stop *NR2*

Approvals: **Process Plan:** MLJ **Date:** 14-10-03 **Tooling:** **Date:**

QC: **Date:** **SPC (Y/N):** **Date:**

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	**Revision Nbr**								
D4857	E								
100		0.00							
100									
Purchasing	**Memo**	0.00							
Purchasing	Issue P/O: 26022 Possible supplier CARBON BY DESIGN Manufacture as per dwg D4857-M Prime Deflector as per dwg (SEE NOTE 4) Certificate of Conformity release note is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	**Memo**	0.00							
Packaging									

GL 14/10/06 12

5x SP 14-11-11

Item ID: D4857-M Accept *N9000040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: Wiper Deflector

Start Date: 10/3/2014 Start Qty: 12.00 *12* Cust Item ID:
Required Date: 10/3/2014 Req'd Qty: 12.00 *12* Customer:
Reference:

Run Start *NR1*
Stop *NR2*

Approvals: Process Plan: Date: Tooling: Date:
QC: Date: SPC (Y/N): Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC5- Inspect part completeness to step on W/O	0.00				5			DAS 38 9-89
120 QC Quality Control	Memo	0.00							

NOV 1 1 2014

130	Identify as per dwg & Stock Location CCK65	0.00				5			DAS 86 9-89
130 Packaging Packaging	Memo	0.00							

NOV 1 1 2014

140	QC21- Final Inspection - Work Order Release	0.00							
140 QC Quality Control	Memo	0.00							

14/11/12

14-11-11

Picklist Print

Friday, October 03, 2014 10:52:12 AM

Work Order ID: 125039 *125039*

Parent Item: D4857-M *D4857-M*

Parent Item Name: Wiper Deflector

Start Date: 10/3/2014 **Required Date:** 10/3/2014

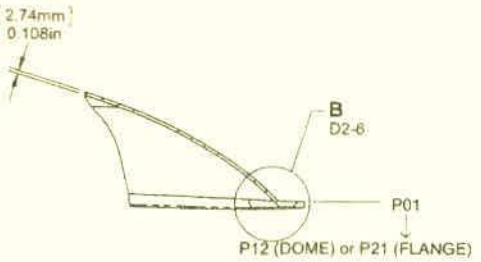
Start Qty: 12.00 **Required Qty:** 12.00

Comments: IPP REV:A 14.05.21 NEW ISSUE DD VERF:JLM

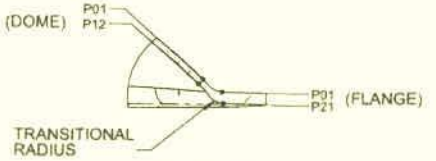
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4857-P		Purchased	No				Each	0.0000		~~12~~ 5x			
D4857-P Wiper Deflector									**	5x			

5x 9/14-11-11

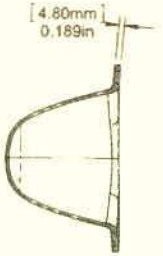


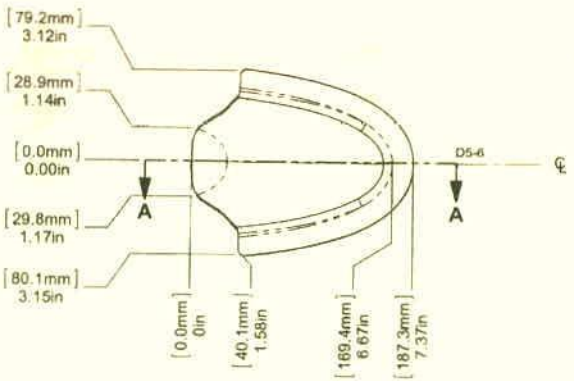


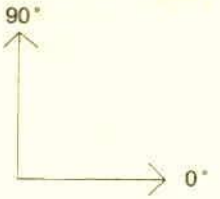
SECTION A-A
B5-6



DETAIL B
D5-6







D4857-M WIPER DEFLECTOR

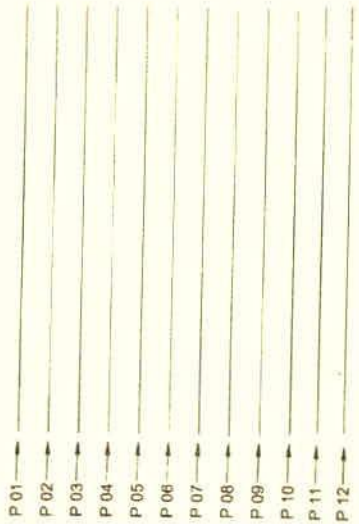
SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 125039 MLJ
14-10-03

RELEASED
2014 -06- 11

NOTES:
1) MATERIAL: KEVLAR #285/353 4H SATIN, EPOXY PREPREG, 250°F CURE, 40% R/C
2) MATERIAL: CARBON FIBER PREPREG, ALDILA PREPREG SYSTEM 3K2X2-FR250-204/40 T300.
3) MATERIAL: ALDILA #120 E-GLASS AR250 WITH 48% RC.
4) FINISH: PRIMER IAW MIL-P-85582, 2-7 MIL MAX.
5) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
6) UNITS: INCHES UNLESS OTHERWISE NOTED, ALL METRIC DIMENSIONS ARE REFERENCE DIMENSIONS.
7) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
8) IDENTIFICATION: N/A
9) WEIGHT: 0.24 lbs (0.11 kg)
10) PART DIMENSIONS CONTROLLED BY CAD MODEL FILE D4857-M-e.IGES
11) SEE PAGE 7 FOR LAYUP SCHEDULE. MANUFACTURE IAW MPP 145. CURE 250°F FOR 4 HOURS.

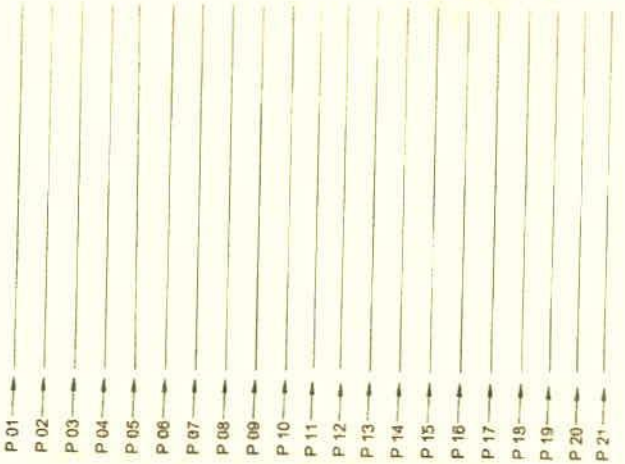
APPROVED			
DESIGN	DW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	VS	DRAWING NO. D4857	REV. E
MFG. APPR.	JFS		SHEET 6 OF 7
APPROVED	MP	TITLE WIPER DEFLECTOR	SCALE NTS
DE APPR.	DS		
DATE 14.06.05			

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LAYUP OF LAYERS (DOME)

LAMINATE - .108in (12 LAYERS)			
PLY	WARP ANGLE	MATERIAL	THICKNESS
01	90	1	.008-.010
02	0	1	.008-.010
03	90	2	.008-.010
04	0	2	.008-.010
05	90	2	.008-.010
06	0	2	.008-.010
07	90	2	.008-.010
08	0	2	.008-.010
09	90	2	.008-.010
10	0	2	.008-.010
11	90	2	.008-.010
12	0	2	.008-.010



LAYUP OF LAYERS (FLANGE)

LAMINATE - .189in (21 LAYERS)			
PLY	WARP ANGLE	MATERIAL	THICKNESS
01	90	1	.008-.010
02	0	1	.008-.010
03	90	2	.008-.010
04	0	2	.008-.010
05	90	2	.008-.010
06	0	2	.008-.010
07	90	2	.008-.010
08	0	2	.008-.010
09	90	2	.008-.010
10	0	2	.008-.010
11	90	2	.008-.010
12	0	2	.008-.010
13	90	2	.008-.010
14	0	2	.008-.010
15	90	2	.008-.010
16	0	2	.008-.010
17	90	2	.008-.010
18	0	2	.008-.010
19	90	2	.008-.010
20	0	2	.008-.010
21	90	3	.005

RELEASED
2014 -06- 11

APPROVED

DESIGN	DW	DART AEROSPACE LTD
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA
CHECKED	VS	DRAWING NO D4857 REV. E
MFG. APPR.	JFS	SHEET 7 OF 7
APPROVED	MP	TITLE WIPER DEFLECTOR SCALE NTS
DE APPR.	DS	
DATE 14.06.05		

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26022

Purchase Order Date 10/6/2014
PO Print Date 10/6/2014

Order From : VU-CBD001

CARBON BY DESIGN
4128 AVENIDA DE LA PLATA
OCEANSIDE, CALIFORNIA 92056
USA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		**Buyer**	Chantal Lavoie
Vendor Phone	760-643-1300	**Customer POID**	
		Customer Tax #	10127-2607
Ship To Contact		**Terms**	Net 30
Ship To Phone		**Currency**	USD
Ship Via:	FedEx Overnight collect	**FOB**	FCA – (Free Carrier)
Ship Acct:			

Line Nbr	Reference / Vendor Part Number / Line Comments / Delivery Comments	Description/ Mfg ID	Req Date/ Taxable / Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extende Pri
1	D4857-P	Wiper Deflector	11/17/2014 Yes 11/17/2014	FN	12.00 Each	$695.00	$8,340.(
	MANUFACTURE AS PER DWG D4857 REV. E B125039						
						Line Total:	**$8,340.(**
2	71401-45	PROCUREMENT QUALITY CLAUSES	10/6/2014 No 10/6/2014		1.00	$0.00	$0.(
	Procurement Quality Clauses A004 faa-pma/tso A005 right of entry A016 personnel qualification A025 certification of conformance A040 notification of quality escape A041 quality management A042 dart noyification by supplier A043 retention of quality documents						

PO Instructions: Fedex Acc#151793240

Note:

carbon by design
4128 Avenida De La Plata - Oceanside, CA 92056
Phone: 760-643-1300 Fax: 760-643-1333
www.carbonbydesign.com

Packaging List

Date: 11/7/2014
Packaging List No. 17400
Cage Code: 4DG17
CBD Work Order No. 8247
Customer PO No.: PO26022

Billing Address:
Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Fed-Ex #151793240

Please Deliver To:
Dart Aerospace LTD 1270 Aberdeen Hawkesbury, ON K6A 1K7 Canada

Customer Phone	Terms	Rep	Ship Date	Ship Via
613-632-5200	Net 30	JB	11/7/2014	FedEx Next Day

Item	Line #	Description	Qty	U/M
D4857-P	1	**Dart Aerospace D4857-P, Wiper Deflector** **S/N: 17400-1/17400-5**	5	ea

SDN-11-11

Thank you for your business.

Total Items: 5

SHIPPING VALUE
$3,475.00

CERTIFICATE OF CONFORMANCE (SHORT FORM CUSTOMERS ONLY)

I certify that on _____, the Carbon by Design LP furnished the supplies or services called for by the Purchase Order Above via Delivery in accordance with all applicable requirements.

I further certify that the supplies or services are of the quality specified and conform in all respects with the contract requirements, including specifications, drawings, preservation, packaging, packing, marking requirements, and physical item identification, and are in the quantity shown in this or on the attached acceptance document.

Quality:_____ **Date:** _____

WARNING – This document and its attachments may contain technical data, export of which is restricted by the International Traffic in Arms Regulations (ITAR) or the Export Administration Act (EAA) of 1979, as amended. Disclosure to foreign persons without prior U.S. Government approval is prohibited. Violations of these export laws and regulations are subject to severe civil and criminal penalties.

carbon by design

4128 Avenida De La Plata. Oceanside, CA 92056
Phone: 760-643-1300 Fax: 760-643-1333
www.carbonbydesign.com

Invoice

Date: 11/7/2014
Invoice # **17400**
PO. No.: PO26022
Sales Order#: 8247

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Fed-Ex #151793240

Please Ship To:

Dart Aerospace LTD
1270 Aberdeen
Hawkesbury, ON K6A 1K7
Canada

Customer Phone	Terms	Rep	Ship Date	Ship Via	Account Status
613-632-5200	Net 30	JB	11/7/2014	FedEx Nex...	Iz

Item	Line #	Qty	Description	U/M	Unit Price	Amount
D4857-P	1	5	Dart Aerospace D4857-P, Wiper Deflector S/N: 17400-1/17400-5	ea	695.00	3,475.00

SP14-11-11

Thank you for your business.

Total $3,475.00

All returns must be accompanied by a RMA #. Please call customer service at 760-643-1300 to receive a RMA number. Products damaged in shipment must be immediately documented and brought to the attention of Carbon by Design. Any products which have been installed/used are not subject to return. All returned Items, unless built to print, are subject to a 25% restocking fee. Canadian Customers are responsible for all brokerage fees, any fees not paid by the customer at the time of delivery are subject to further charges. No returns are accepted after 30 days.

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11/7/2014

carbon by design

CERTIFICATE OF CONFORMANCE

PO: No.: 26022	**DESC:** Wiper Deflector	**Insp:** JR	**Packing #:** 17400
Customer: Dart Aerospace LTD	**Drawing:** D4857-P Rev E	**Qty:** 5	**Serials:** 17400-1/17400-5

Work Requirements:

Statement of Work:	SOW on file
Internal Process Doc.:	2206-253
Inspection Document:	2206-253
Manufacturing Process:	Pressure Intensifier
Security Requirement:	Confidential

Approved Non-Conformances: NO	**Pending:** NO
DISPOSITION: To Customer, Ship	**SHIP METHOD:** FedEx Next Day

Certification Statement:
Carbon by Design LP certifies the items listed above conform to all of the applicable work and quality standard required in the purchase order listed above and any additional work requirements referenced.

All in process quality standards have been met according to customer requirements and Carbon by Design internal quality and finish requirements. All materials Certification are available for inspection and will remain on file at Carbon by Design for a period of no less than ten years.

Finished Materials/Process Specifications:
Per Drawing Requirements

Additional Quality Clauses:
Per PO Requirements, 100% Inspection

Active Quality Systems: ISO9001:2008	**Inspector's Name:** David Rodriguez **Signature:** [signature] **Title:** QC **Date:** 11/7/14